

IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/725,019A

DATE: 12/23/2004 TIME: 14:34:23

```
1 <110> APPLICANT: Thompson, John E.
 2
         Wang, Tzann-Wei
 3
         Lu, Dongen Lilly
 4 <120> TITLE OF INVENTION: DNA ENCODING A PLANT DEOXYHYPUSINE SYNTHASE, TRANSGENIC
         PLANTS AND A METHOD FOR CONTROLLING PROGRAMMED CELL
 5
         DEATH IN PLANTS
 7 <130> FILE REFERENCE: 10799/9
 8 <140> CURRENT APPLICATION NUMBER: US/09/725,019A
 9 <141> CURRENT FILING DATE: 2000-11-29
10 <150> PRIOR APPLICATION NUMBER: US/09/597,771
11 <151> PRIOR FILING DATE: 2000-06-19
12 <150> PRIOR APPLICATION NUMBER: 09/348,675
13 <151> PRIOR FILING DATE: 1999-07-06
14 <160> NUMBER OF SEO ID NOS: 35
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEO ID NO: 1
18 <211> LENGTH: 1609
19 <212> TYPE: DNA
20 <213> ORGANISM: Lycopersicon sp.
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22 <221> NAME/KEY: CDS
23 <222> LOCATION: (54..1196)
24 <220> FEATURE:
25 <223> OTHER INFORMATION: DHS
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28
29
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                                                                                 104
31
         Gly Glu Ala Leu Lys Tyr Ser Ile Met Asp Ser Val Arg Ser Val Val
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33
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36
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37
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         Val Ser Thr Gly Phe Gln Ala Ser Asn Leu Gly Asp Ala Ile Ala Ile
40
41
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                                                  ` 60
42
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43
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49	Cve	Lve	Tlo	Dhe	Len	222	Dho	The	Ser	700	Tare	922	0	2.	ggu	guu		392
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56	130				1	135		010	oru	1100	140		цур	Cys	neu			
57		acc	tac	aad	aaa		tta	tat	tta	aat						145		
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59	LIO	1111	TYL	цув		Asp	Pne	ser	Leu		GIĀ	Ala	Ser	Leu	_	Ser		
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77	Lcu	CLY	пор	245	пеп	тут	FIIE	птв	Ser	PHE	гуѕ	ьys	GIY		Pro	Asp		
78	22+	aaa	ant.		+	~~ +	~		250					255				
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91	Gln	Glu	Phe	Asp	Glv	Ser	Asn	Ser	Gly	Δla	Ara	Dro	Jan	Clu	71 -	y . a	1(704
92		-		325	1				330	u	-1-9	110	770ħ	335	лта	val		
93	t.ca	t.aa	aas		ata	cat	aa+	aat	gcc	22~	20+	at~	22~		a - +	+~+	7 7	110
	Ju	-55	35 ^u	aug	ucu	cyc	33 r	994	gee	aay	act	grā	aay	grā	Cat	rat	Τ.]	L12

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PATENT APPLICATION: US/09/725,019A

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138			-	4		165	- :		1		170	u	· u.ı	110	DOII	175	VOII	
139		Tyr	Cys	Lys	Phe		Asn	Tro	Tle	Tle		Val	Phe	Aen	Gla	1/3 Me+	ጥኒኒዮ	
140		-	-	4	180			1		185		VUI	r 116	vah	190	HEL	тАт	
141		Glu	Glu	Gln	Ile	Asn	G] 11	Lvs	Val		ጥተካ	Thr	Dro	Ser		T ~ T7	Tlo	
142				195				y 0	200		P	T 1 1 T	FIO	205	пÄр	val	TIG	
143		Ala	Ara		Gly	Lvs	Glu	ΤlΔ		Δen	Glu	Thr	Cor		T 011	TT	Пасто	
			5		1	-10	J_1 u	**E	USII	TOP	GIU	TIIT	oer	TAT	цец	ıyr	ı.r.b	

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144
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185 <211> LENGTH: 2272
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RAW SEQUENCE LISTING DATE: 12/23/2004
PATENT APPLICATION: US/09/725,019A TIME: 14:34:23

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242	aat	gtg	ttg	tgg	act	cct	tct	aaa	ctg	tta	gca	cgg	ctg	gga	aaa	qaa	1026
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244			205					210					215	-	-		

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/725,019A

DATE: 12/23/2004 TIME: 14:34:24

Input Set : N:\Crf3\RULE60\09725019a.raw.txt
Output Set: N:\CRF4\12232004\I725019a.raw

ease Note:

e of n and/or Xaa have been detected in the Sequence Listing. Please review the quence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

q#:19; N Pos. 6 q#:31; N Pos. 542

valid Line Length:

e rules require that a line not exceed 72 characters in length. This includes spaces.

q#:1; Line(s) 4

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/09/725,019A

DATE: 12/23/2004 TIME: 14:34:24

Input Set : N:\Crf3\RULE60\09725019a.raw.txt
Output Set: N:\CRF4\12232004\I725019A.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing. Use of <220> to <223> is MANDATORY if n's or Xaa's are present. in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:19; N Pos. 6 Seq#:31; N Pos. 542

VERIFICATION SUMMARY

DATE: 12/23/2004 PATENT APPLICATION: US/09/725,019A TIME: 14:34:24

Input Set : N:\Crf3\RULE60\09725019a.raw.txt Output Set: N:\CRF4\12232004\I725019A.raw

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L:764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0 L:986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:496

US 110017930JP1



Creation date: 12-28-2004

Indexing Officer: NKIDANE - NIGIST M. KIDANE

Team: OIPEScanning Dossier: 11001793

Legal Date: 12-23-2004

No.	Doccode	Number of pages
1	CRFE	10

Total number of pages: 10

Remarks:

Order of re-scan issued on